



1000

810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990

9020010.q EEEKKEPYSKSSSNVYREEDENY-LENIEDRKQQEKSAYIDNKEINNDPAATQKRSNNLRAKEDITNDHELSNVFVGAKFYNRKSPTLFKISIISLGTSNDKRATASAGLQEGSSRISHNKRTTSAASGLQEGIP-  
5720019.q ENTFREEDEEEYQEKEIEQNLQAMQEEDDE-EKINGSEARRKEAIIAMYRQQLQKQOLLESPLPSNDEEVEMNRGKDNDALKGDNDNSRFAVSEEAENKIDSDDAVFTGCFPAHNDGATLG-NORTIGVSGLEGGTFKRSERADMPMCDIFGESPAG-  
15231853.p -VDN-DDDGEDVVWGVGEQEAEAMK-RIBESKRITQAIILKVKKKK-LEQ-SSTVADQV-  
22329536.p -IDN-DDKGDVVVVEVE-QEDEEN-LIBESRRRITQAIIMBKKKK-LEQONGFSSHDLANIPKQSSTVADVLGSGLGPVTSAVNQAKAGLDIDAVDGEVALKSSAVGESPAQLVISDSDRTLASTGLGEGPSKDJKISDDMFDTDDIFGESPADSQKMGYLRKGONGIPIVRSCIDDNODPABCO-  
22331335.p -NEDQDDNDEKLTKSPEEEELLNIRNKEGSRKREALEBKKR-PEQQNELLTDONCKDIPETGAPVSTSP-  
19075761.Y NGHSDSLSPKEKKLKDVEDPQV-  
34875309.m KFKGSLSEG-MKVEQEASSDDNLEDFDV-EEDEEEAVIQRRIORQAVIYKYLAAED-SNISVPSEPPSPQSSTRSRSPPDDILERVAADVKERYEREVNDTFEASV-  
23956074.n KFKGSLSEG-MKVEQEASSDDNLEDFDV-EEDEEEAVIQRRIORQAVIYKYLAAED-SNISVPSEPPSPQSSTRSRSPPDDILERVAADVKERYEREVNDTFEASV-  
PRP4.h KFKGSLSEG-MKVEQEASSDDNLEDFDV-EEDEEEAVIQRRIORQAVIYKYLAAED-SNISVPSEPPSPQSSTRSRSPPDDILERVAADVKERYEREVNDTFEASV-  
17506739.w FFSG--LRD-KMVKHMKADEHNHDEVLQ-RGKDE-BYRREDWHTQKECEKREBEE-  
19922978.f RYKGSLSEG-GNKLDKESSEDEVNQDILIEEP-  
31210789.i RYKGSLSEG-LKQKQKESSESTADIDDEEDEEIKRKKRKEAALLKQGVLINEDNTMTVEPPPELKVQSMISTAPSRSQGSSQERPLRTP-  
23508347.z RYKGSLSEG-LKQKQKESSESTADIDDEEDEEIKRKKRKEAALLKQGVLINEDNTMTVEPPPELKVQSMISTAPSRSQGSSQERPLRTP-  
1how\_Ymr21 EIIIEEKQNKEK-  
1cm8\_P38g -  
1jwh\_CK2a -  
1fvv\_CDK2 -

1200

1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190

9020010.q IYHF-  
5720019.q EYTF-  
15231853.p SYCL-  
22329536.p YQL-  
22331335.p SYQF-  
19075761.Y KVVLNEBLLDSRY-  
34875309.m RYVN-  
23956074.n RYVN-  
PRP4.h RYVN-  
17506739.w RYVN-  
19922978.f RYVN-  
31210789.i RYVN-  
23508347.z RYVN-  
1how\_Ymr21 AFKGFYKDAVY-  
1cm8\_P38g AWEVARYAV-  
1jwh\_CK2a EYWDXEYHVEW-  
1fvv\_CDK2 -

1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190

9020010.q EYTF-  
5720019.q EYTF-  
15231853.p EYTF-  
22329536.p EYTF-  
22331335.p EYTF-  
19075761.Y QHCVRL-  
34875309.m NEVMY-  
23956074.n NEVMY-  
PRP4.h NEVMY-  
17506739.w NEVMY-  
19922978.f NEVMY-  
31210789.i NEVMY-  
23508347.z NEVMY-  
1how\_Ymr21 NEVMY-  
1cm8\_P38g NEVMY-  
1jwh\_CK2a NEVMY-  
1fvv\_CDK2 -

1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350 1360 1370 1380 1390

9020010.q NEIPYLVSRFYRAPEILL-  
5720019.q NEIPYLVSRFYRAPEILL-  
15231853.p NEIPYLVSRFYRAPEILL-  
22329536.p NEIPYLVSRFYRAPEILL-  
22331335.p NEIPYLVSRFYRAPEILL-  
19075761.Y NEIPYLVSRFYRAPEILL-  
34875309.m NDIPYLVSRFYRAPEIII-  
23956074.n NDIPYLVSRFYRAPEIII-  
PRP4.h NDIPYLVSRFYRAPEIII-  
17506739.w GELPYLVSRFYRAPEIML-  
19922978.f GELPYLVSRFYRAPEILL-  
31210789.i NEIPYLVSRFYRAPEILL-  
23508347.z NEIPYLVSRFYRAPEILL-  
1how\_Ymr21 SEMKGXVTR-  
1cm8\_P38g SEMKGXVTR-YRAPERILL-  
1jwh\_CK2a SEMKGXVTR-YRAPERILL-  
1fvv\_CDK2 -

1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350 1360 1370 1380 1390

9020010.q NEIPYLVSRFYRAPEILL-  
5720019.q NEIPYLVSRFYRAPEILL-  
15231853.p NEIPYLVSRFYRAPEILL-  
22329536.p NEIPYLVSRFYRAPEILL-  
22331335.p NEIPYLVSRFYRAPEILL-  
19075761.Y NEIPYLVSRFYRAPEILL-  
34875309.m NDIPYLVSRFYRAPEIII-  
23956074.n NDIPYLVSRFYRAPEIII-  
PRP4.h NDIPYLVSRFYRAPEIII-  
17506739.w GELPYLVSRFYRAPEIML-  
19922978.f GELPYLVSRFYRAPEILL-  
31210789.i NEIPYLVSRFYRAPEILL-  
23508347.z NEIPYLVSRFYRAPEILL-  
1how\_Ymr21 SEMKGXVTR-  
1cm8\_P38g SEMKGXVTR-YRAPERILL-  
1jwh\_CK2a SEMKGXVTR-YRAPERILL-  
1fvv\_CDK2 -

1400

1410 1420 1430

9020010.q ...-  
5720019.q ...-  
15231853.p ...-  
22329536.p ...-  
22331335.p ...-  
19075761.Y ...-  
34875309.m ...-  
23956074.n ...-  
PRP4.h ...-  
17506739.w ...-  
19922978.f ...-  
31210789.i ...-  
23508347.z ...-  
1how\_Ymr21 ...-  
1cm8\_P38g ...-  
1jwh\_CK2a ...-  
1fvv\_CDK2 -

1410 1420 1430

9020010.q ...-  
5720019.q ...-  
15231853.p ...-  
22329536.p ...-  
22331335.p ...-  
19075761.Y ...-  
34875309.m ...-  
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PRP4.h ...-  
17506739.w ...-  
19922978.f ...-  
31210789.i ...-  
23508347.z ...-  
1how\_Ymr21 ...-  
1cm8\_P38g DDVDR-TLD-EWKRVITYKEVLSFKPPRQLGARVSKETPL  
1jwh\_CK2a ...-  
1fvv\_CDK2 -